

Converting Colors

`RYB(12, 221, 158)`

Have a look what the booklet for
RYB(12, 221, 158) contains.

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Color

RYB(12, 221, 158)

Conversions

Conversions Part 1

Format	Color
Hex	4BDD0C
RGB	75, 221, 12
RGB Percent	29%, 87%, 5%
CMY	0.7059, 0.1333, 0.9529
CMYK	0.66, 0.00, 0.95, 0.13
HSL	102°, 90%, 46%
HSV	102°, 95%, 87%
XYZ	28.8245, 53.2353, 9.1041
YIQ	153.5200, -19.9270, -95.9510

Conversions

Conversions Part 2

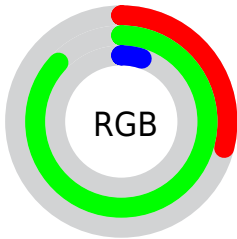
Format	Color
RYB	12, 221, 158
Decimal	4971788
CIELab	78.01, -69.31, 74.64
CIELCh	78, 101.852, 132.879
Yxy	53.2353, 0.3162, 0.5840
Android (android.graphics.Color)	4283161868 (0xFF4BDD0C)
YUV	153.5200, -69.7694, -68.8620
Hunter-Lab	72.9625, -57.1665, 43.6757

Details

The RYB color **12, 221, 158** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **158, 12, 221**, and the grayscale version is **154, 154, 154**.

A 20% lighter version of the original color is **89, 255, 202**, and **0, 164, 164** is the 20% darker color. If you saturate the color by 10%, you get **0, 221, 154**, and if you desaturate by 10%, it is **34, 221, 165**.

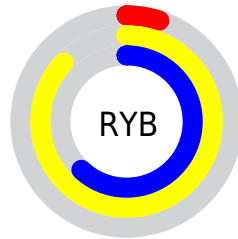
Distribution



Red (29%)

Green (87%)

Blue (5%)



Red (5%)

Yellow (87%)

Blue (62%)

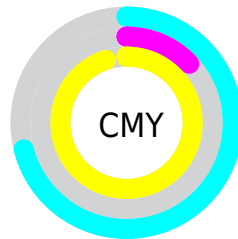


Cyan (66%)

Magenta (0%)

Yellow (95%)

Black (13%)



Cyan (71%)

Magenta (13%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the RYB color 12, 221, 158 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 12, 221, 158 by changing the saturation by 10% instead.

 12, 221, 158

255, 255, 255

 89, 255, 202

 118, 255, 200

 147, 255, 198

 176, 255, 195

 205, 255, 205

 235, 255, 235


 12, 221, 158


 12, 221, 158

 0, 192, 165

 0, 164, 164

 0, 137, 137

 0, 110, 110

 0, 84, 84

 0, 60, 60

 0, 35, 35

 0, 0, 0

 12, 221, 158

■ 0, 221, 154

■ 34, 221, 165

■ 56, 221, 171

■ 78, 221, 178

■ 100, 221, 184

■ 123, 221, 192

■ 145, 221, 198

■ 167, 221, 205

■ 189, 221, 211

■ 211, 221, 218

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



0, 202, 7



12, 221, 158



0, 147, 231

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



12, 221, 158



0, 118, 255



255, 74, 157

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



12, 221, 158



158, 12, 221

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



255, 91, 251



12, 221, 158



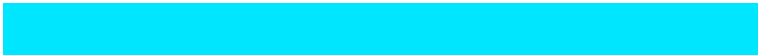
0, 109, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



12, 221, 158



0, 121, 255



245, 146, 255



255, 142, 65

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



12, 221, 158



0, 126, 234



245, 146, 255



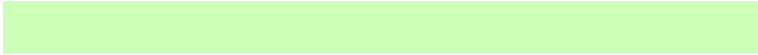
255, 70, 188

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



12, 221, 158



184, 255, 234



108, 221, 12



84, 128, 115



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12, 221, 158



0, 255, 178



12, 189, 221



99, 110, 107



0, 173, 121



0, 46, 32

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



158, 12, 221



178, 0, 255



221, 12, 183



106, 99, 110



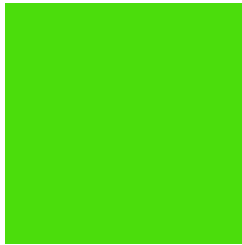
121, 0, 173



32, 0, 46

Previews

White Background



This preview shows how the RYB color 12, 221, 158 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 12, 221, 158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

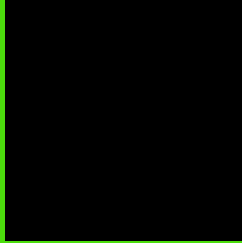
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 12, 221, 158 Background



This preview shows how black text looks on a background with the RYB color 12, 221, 158.



This preview shows how white text looks on a background with the RYB color 12, 221, 158.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

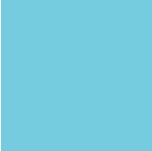
12, 221, 158

Protanopia

27, 216, 0

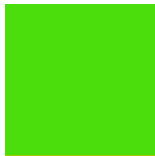
Deuteranopia

133, 240, 48



Tritanopia
116, 164, 222

Trichromacy



Original Color

12, 221, 158



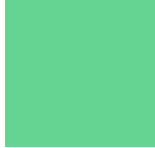
Protanomaly

4, 203, 42



Deuteranomaly

35, 196, 51



Tritanomaly

101, 179, 211

Monochromacy



Original Color

12, 221, 158



Achromatopsia

154, 154, 154



Achromatomaly

102, 178, 155

CSS Examples

Text

The CSS property to change the color of the text to RYB 12, 221, 158 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(75, 221, 12)` looks like.

```
.text, #text, p{  
    color:rgb(75, 221, 12)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(75, 221, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 221, 12) }
```

Border

The CSS property to change the border of an element to RYB 12, 221, 158 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(75, 221, 12) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(75, 221, 12) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(75, 221, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 221, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 221, 12);  
box-shadow:4px 4px 4px 4px rgb(75, 221,  
12) }
```

Background

The CSS property to change the background color of an element to RGB 75, 221, 12 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 221, 12) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(75, 221,  
12) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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